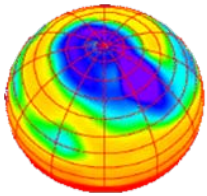


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By Anabelle Ménochet (CLRC-RAL)

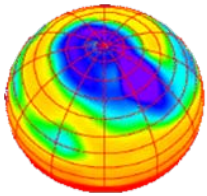


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Purpose of the BADC

- The BADC is the Natural Environment Research Council's (NERC) Designated Data Centre for the Atmospheric Sciences. It is sited at the RAL.
- **Mission Statement:** *To Provide a high-quality archive of atmospheric data to the NERC atmospheric research community in a timely and straightforward manner, together with sufficient information about the data to permit its effective use for research purposes*

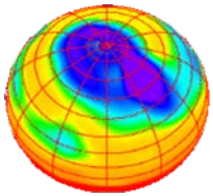


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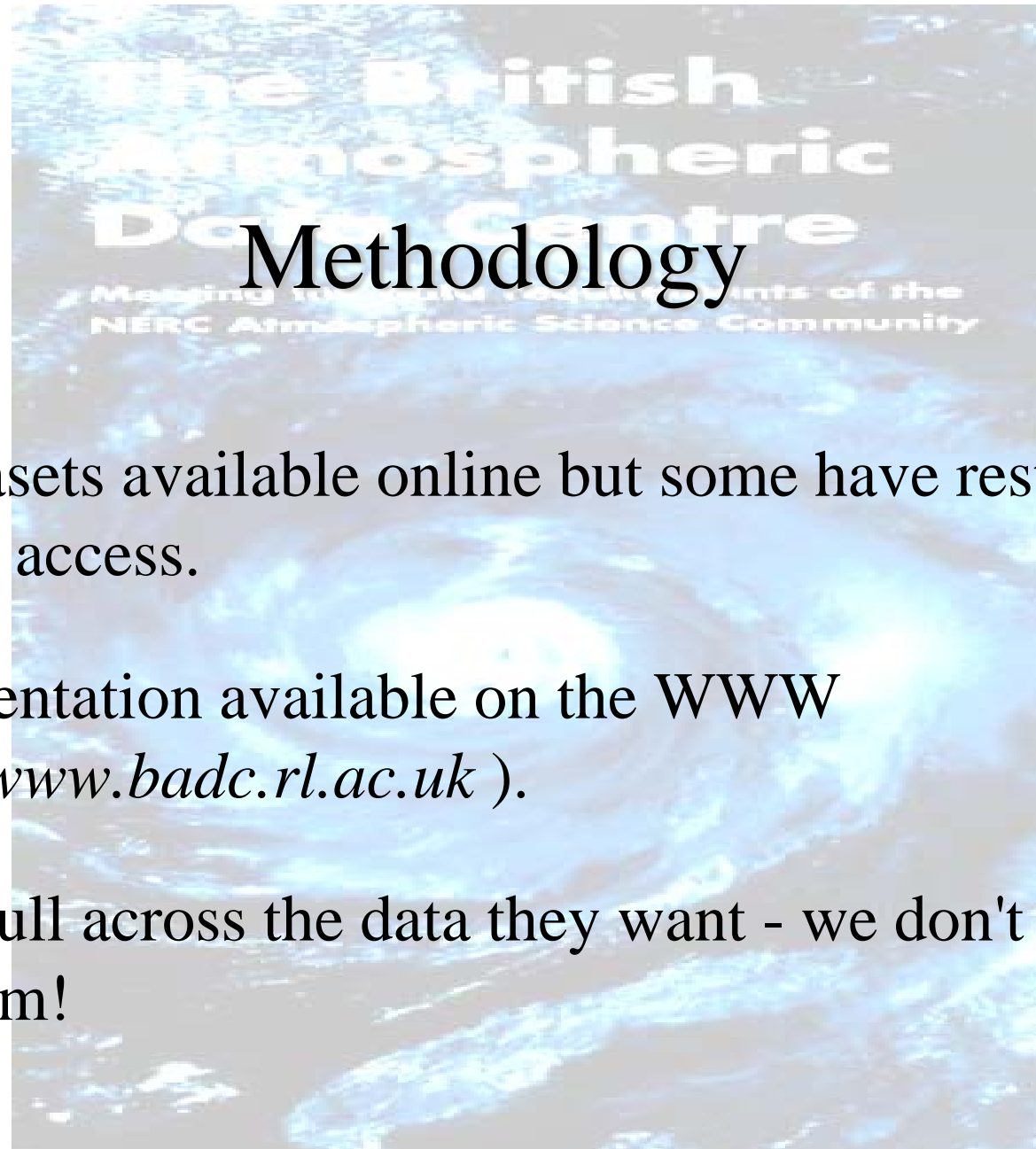


Priorities of the BADC

- Support for NERC thematic programmes (ACSOE/HYREX/URGENT/UTLS) Data archive, 3rd party data, trajectories.
- Met. data acquisition - Data from the Met. Office and ECMWF.
- Data brokerage - Helping users to find other sources of data, Links to other data centres, Caching CD ROMs ...

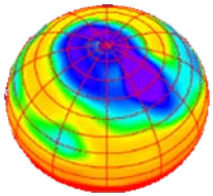


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Methodology

- All datasets available online but some have restrictions on their access.
- Documentation available on the WWW (<http://www.badc.rl.ac.uk>).
- Users pull across the data they want - we don't "send" it to them!

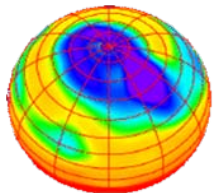


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NERC-Met. Office Data Agreement

- BADC distributes Met Office data to the academic community -free of charge- on behalf of NERC. Agreement operating since mid 1996.
- BADC retrieves "popular" data from Met Office archives in bulk - users then copy data from BADC.
- Data are kept in a secure archive at BADC. Users **must** complete and sign a Conditions of Use Form agreeing to use data for *bona fide* research purposes only.
- Access to ECMWF data also allowed under the agreement.

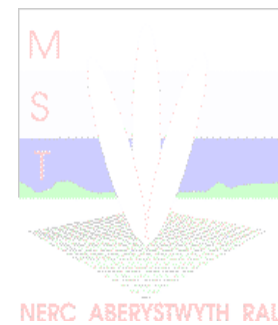
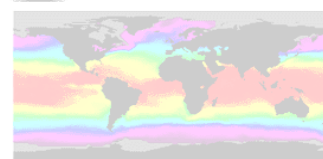
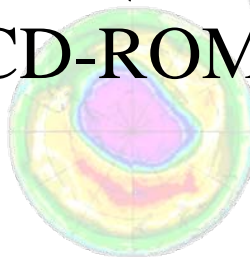
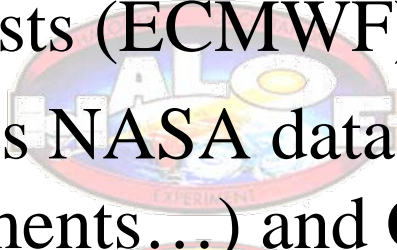
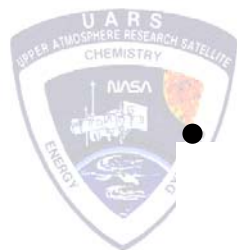
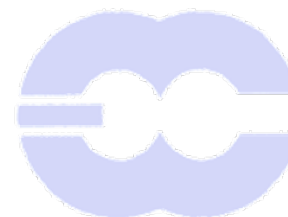


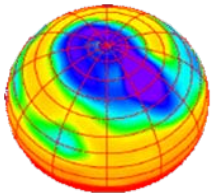
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49 Datasets catalogued at the BADC

- Datasets produced by NERC funded programmes (MST radar, ACSOE, HYREX...)
- UK Met. Office datasets
- European Centre for Medium-Range Weather Forecasts (ECMWF) datasets.
- Various NASA datasets (TOMS, UARS instruments...) and CD-ROMs.



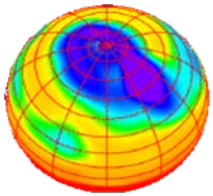


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UK Met. Office datasets

- UK Land Surface data (1900-present)
- Central England Temperature data (1659-present)
- Global Radiosonde data (1997-present)
- UK High Resolution Radiosonde data
- Global Gridded SST anomalies (1856-present)
- UARS Assimilated data (1992-present)
- TOVS Stratospheric Analyses (1978-1997)



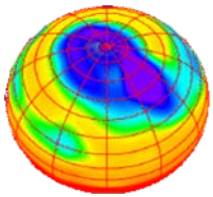
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ECMWF datasets

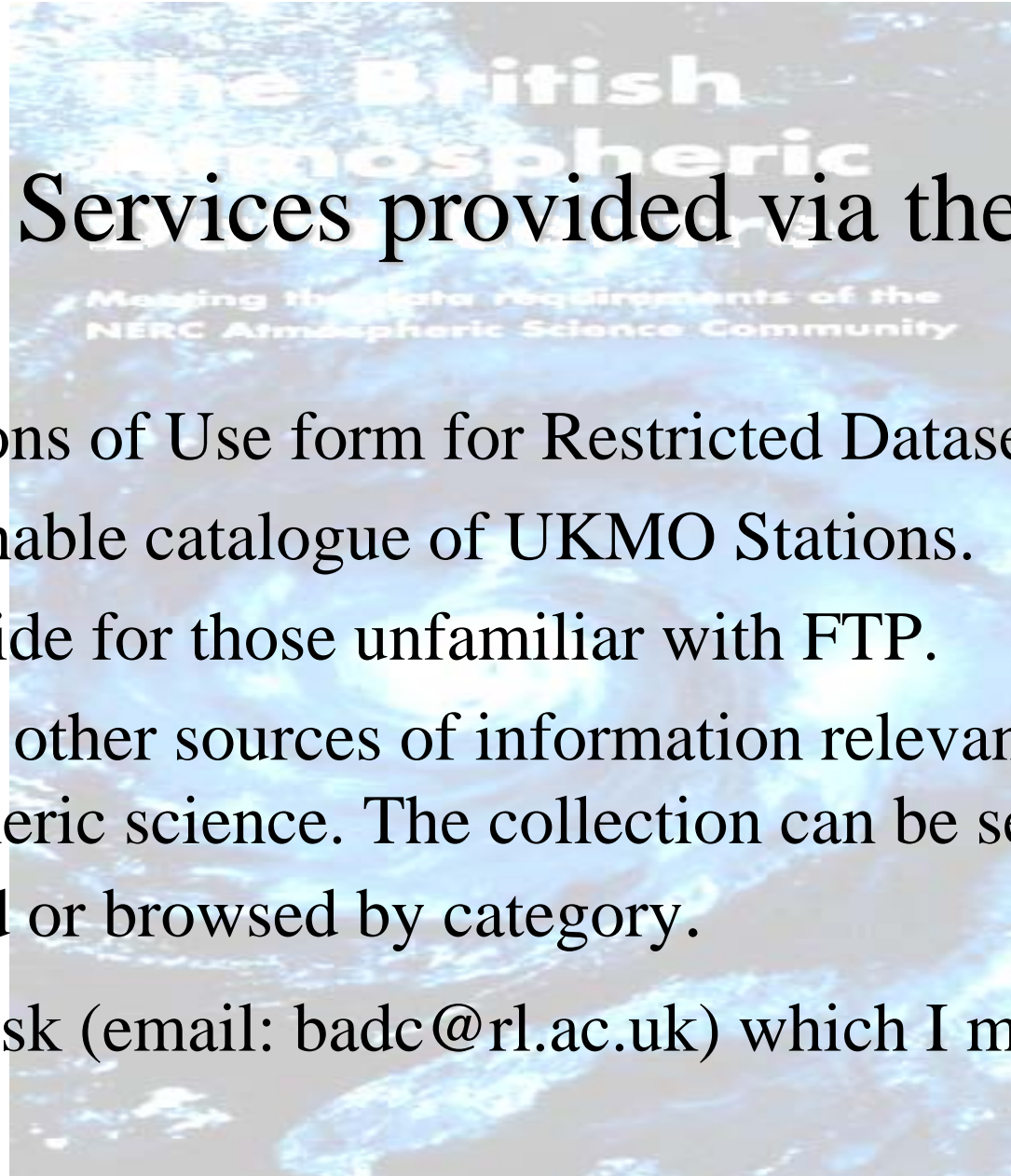
- ECMWF model output - Re-analyses (ERA) data - Global 1979-1994
- ECMWF model output - Operational data - Global 1994 - present
- Gridded data - derived at BADC
- Trajectories and Trajectory Web Service allowing you to run and plot your own trajectories.
(<http://www.badctrj.rl.ac.uk>)



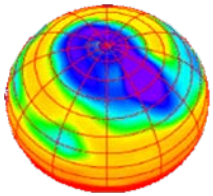


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Other Services provided via the Web



- Conditions of Use form for Restricted Datasets
- A searchable catalogue of UKMO Stations.
- FTP Guide for those unfamiliar with FTP.
- Links to other sources of information relevant to atmospheric science. The collection can be searched by keyword or browsed by category.
- Help Desk (email: badc@rl.ac.uk) which I manage.



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The British Atmospheric Data Centre

Meeting the data requirements of the
NERC Atmospheric Science Community

<http://www.badc.rl.ac.uk/>

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